



Water-Data Report CA-2005

10308789 LEVIATHAN CREEK ABOVE ASPEN CREEK, NEAR MARKLEEVILLE, CA

Carson River Basin

LOCATION.--Lat 38°43'01", long 119°39'33" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, on right bank (revised), 3.2 mi north of State Highway 89, and 6.5 mi east of Markleeville.

DRAINAGE AREA.--7.07 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,700 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except those below 0.5 ft³/s, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24 ft³/s, Apr. 28, 1999, gage height, 5.14 ft; no flow on some days in most years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 17	1730	12	4.90
May 16	0830	*17	*5.04

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.04	0.09	0.11	0.15	0.24	0.48	2.5	11	3.3	0.60	e0.25	0.59
2	0.05	0.13	0.10	0.15	0.24	0.53	2.9	11	2.8	0.58	e0.18	0.40
3	0.04	0.12	0.10	0.15	0.24	0.53	2.8	11	2.7	0.53	e0.33	0.26
4	0.04	0.15	0.11	0.15	0.25	0.55	2.7	11	2.4	0.50	e0.47	0.25
5	0.04	0.20	0.13	0.15	0.28	0.59	3.3	12	2.2	0.43	e0.40	0.22
6	0.04	0.20	0.14	0.15	0.29	0.62	4.9	10	2.1	0.39	e0.33	0.23
7	0.04	0.21	0.13	0.16	0.29	0.78	4.7	9.8	2.1	0.37	e0.25	0.31
8	0.13	0.32	0.14	0.12	0.29	1.1	3.7	11	2.0	0.36	e0.19	0.27
9	0.22	0.21	0.16	0.10	0.29	1.6	3.1	11	2.0	0.38	e0.13	0.24
10	0.06	0.17	0.15	0.18	0.28	2.7	3.0	9.3	1.9	0.34	e0.10	0.28
11	0.06	0.16	0.17	0.18	0.29	3.6	3.9	9.7	1.7	0.32	e0.16	0.28
12	0.06	0.19	0.19	0.17	0.31	4.2	4.8	11	1.6	0.29	e0.25	0.23
13	0.06	0.16	0.20	0.16	0.33	3.6	4.3	11	1.4	0.29	e0.37	0.22
14	0.06	0.14	0.20	0.16	0.34	2.4	4.0	12	1.4	0.29	e0.33	0.31
15	0.06	0.15	0.19	0.17	0.34	2.3	4.4	12	1.3	0.27	e0.25	0.43
16	0.06	0.13	0.17	0.18	0.34	1.6	6.5	15	1.3	0.30	e0.12	0.56
17	0.10	0.13	0.21	0.18	0.33	1.3	8.3	12	1.4	0.32	e0.13	0.54
18	0.14	0.12	0.15	0.18	0.34	1.2	7.7	12	1.3	0.36	e0.12	0.56
19	0.15	0.12	0.15	0.20	0.34	1.4	5.7	13	1.3	e0.36	e0.12	0.31
20	0.13	0.12	0.15	0.23	0.36	e2.0	4.8	12	1.2	e0.38	e0.10	0.22
21	0.17	0.08	0.15	0.26	0.37	1.0	5.0	11	1.1	e0.35	e0.13	0.29
22	0.12	0.08	0.17	0.28	0.38	1.3	5.6	8.9	1.1	e0.34	e0.34	0.29
23	0.13	0.12	e0.19	0.30	0.39	1.2	5.5	6.8	1.1	e0.35	e0.34	0.18
24	0.13	0.11	e0.18	0.31	0.41	0.96	5.2	5.9	1.2	e0.34	e0.30	0.14
25	0.11	0.09	e0.19	0.30	0.44	1.2	6.2	5.4	0.97	e0.33	e0.25	0.24
26	0.11	0.09	e0.20	0.31	0.46	1.1	7.8	5.1	0.93	e0.31	0.24	0.35
27	0.10	e0.09	0.16	0.30	0.47	2.8	8.7	4.8	0.83	e0.29	0.30	0.51
28	0.10	e0.09	0.12	0.27	0.48	3.4	7.4	4.3	1.1	e0.33	0.27	0.48
29	e0.11	e0.09	0.12	0.25	---	2.2	8.0	4.0	0.69	e0.31	0.49	0.42
30	e0.11	e0.09	0.14	0.24	---	2.0	9.2	3.8	0.69	e0.30	0.69	0.43
31	e0.10	---	0.14	0.24	---	2.2	---	3.4	---	e0.31	0.65	---
Total	2.87	4.15	4.81	6.33	9.41	52.44	156.6	290.2	47.11	11.22	8.58	10.04
Mean	0.09	0.14	0.16	0.20	0.34	1.69	5.22	9.36	1.57	0.36	0.28	0.33
Max	0.22	0.32	0.21	0.31	0.48	4.2	9.2	15	3.3	0.60	0.69	0.59
Min	0.04	0.08	0.10	0.10	0.24	0.48	2.5	3.4	0.69	0.27	0.10	0.14
Ac-ft	5.7	8.2	9.5	13	19	104	311	576	93	22	17	20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.15	0.23	0.23	0.30	0.46	1.37	2.79	3.29	0.74	0.23	0.17	0.19
Max	0.34	0.36	0.39	0.47	1.10	2.08	5.38	9.69	2.18	0.56	0.31	0.46
(WY) (2000)	(1999)	(1999)	(1999)	(1999)	(1999)	(2004)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)
Min	0.08	0.14	0.15	0.16	0.20	0.71	1.30	0.47	0.12	0.07	0.04	0.04
(WY) (2002)	(2005)	(2003)	(2001)	(2001)	(2001)	(2001)	(2004)	(2001)	(2001)	(2001)	(2001)	(2004)

10308789 LEVIATHAN CREEK ABOVE ASPEN CREEK, NEAR MARKLEEVILLE, CA—Continued**SUMMARY STATISTICS**

	Calendar Year 2004	Water Year 2005	Water Years 1999 - 2005	
Annual total	166.89	603.76		
Annual mean	0.46	1.65	0.67	
Highest annual mean			1.65	2005
Lowest annual mean			0.30	2001
Highest daily mean	5.8	Mar 21	15	May 16
Lowest daily mean	0.00	Jul 28	0.04	Oct 1
Annual seven-day minimum	0.00	Jul 28	0.04	Oct 1
Maximum peak flow			17	May 16
Maximum peak stage			5.04	May 16
Annual runoff (ac-ft)	331	1,200	486	
10 percent exceeds	1.2	5.4	1.6	
50 percent exceeds	0.22	0.31	0.24	
90 percent exceeds	0.02	0.11	0.07	

